






# How to change the front brake discs on your Mercedes W202


VIDEO TUTORIAL

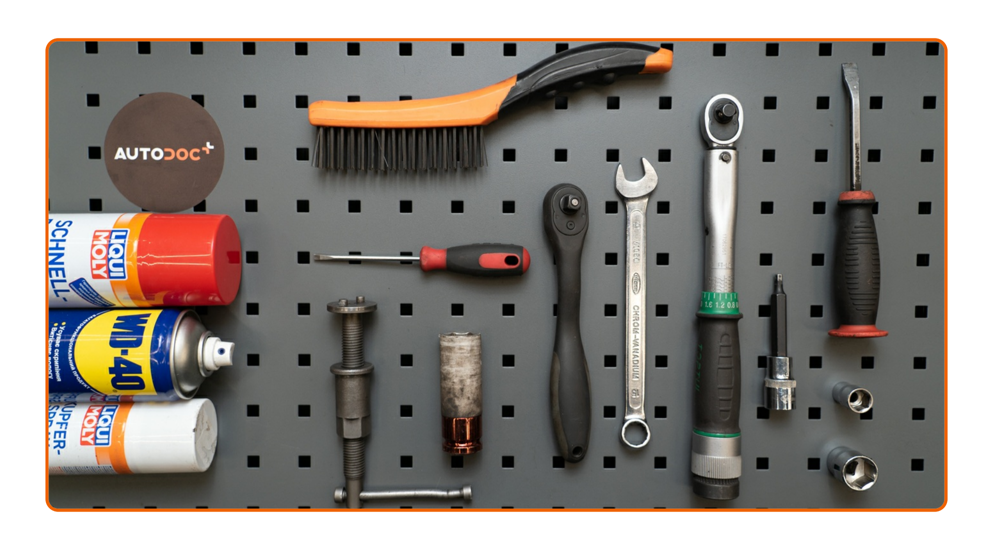
## Important!

This replacement procedure can be used for:
MERCEDES-BENZ C-CLASS (W202) C 220 (202.022)

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The steps may slightly vary depending on the car design.

# REQUIRED TOOLS:




- Wire brush
- WD-40 spray
- Brake cleaner
- Brake caliper guide pins grease
- Copper grease
- Sealant
- Combination spanner #15
- Drive socket # 13
- Drive socket # 19
- HEX bit no.H5.
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Brake caliper wind back tool
- Flat Screwdriver
- Crow bar
- Wheel chock



## AUTODOC recommends:

- Replace the brake disks on the car Mercedes W202 in complete set for each axis. Regardless of the state of components. This will ensure even braking.
- The replacement procedure is identical for both brake disks on the same axle.
- When changing the brake discs, always replace the brake pads.
- All work should be done with the engine stopped.

# CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1



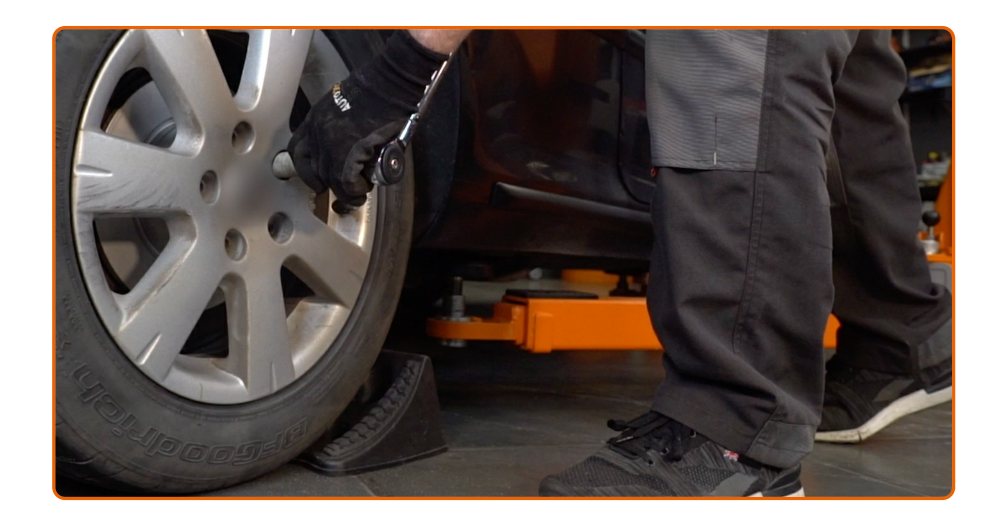
Open the bonnet. Unscrew the brake fluid reservoir cap.

2



Secure the wheels with chocks.

3



Loosen the wheel mounting bolts. Use wheel impact socket #17.

4

Raise the front of the car and secure on supports.

5



Unscrew the wheel bolts.

## AUTODOC recommends:

- To avoid injury, hold up the wheel when unscrewing the bolts.

6



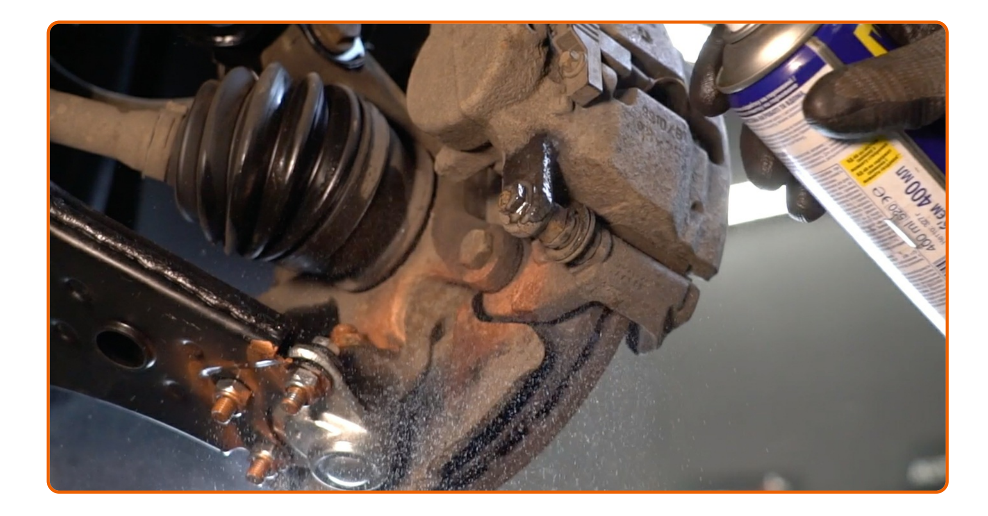
Remove the wheel.

7



Spread the brake pads. Use a crowbar.

8



Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.

9

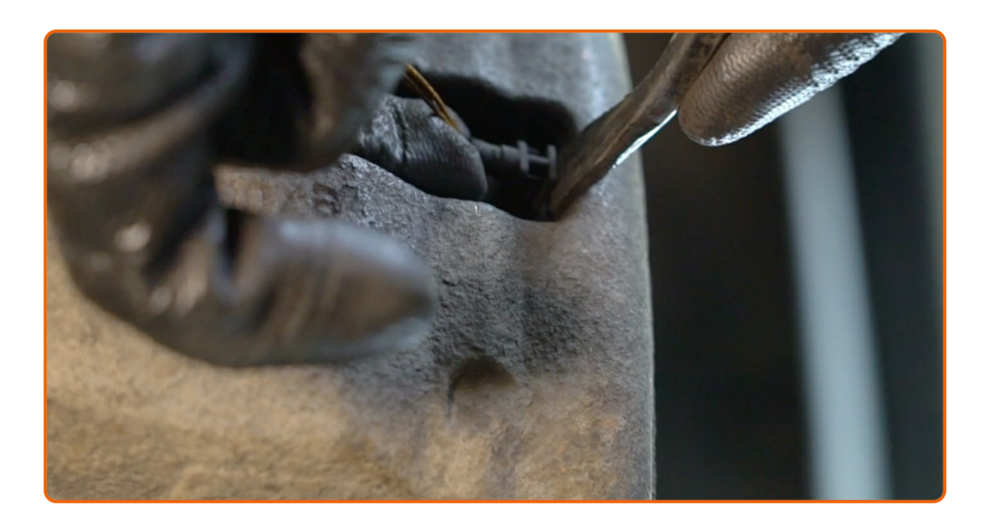


Unscrew the brake caliper fastening. Use a combination spanner #15. Use a drive socket #13. Use a ratchet wrench.

10

Remove the fastening bolts (2 pieces).

11



Disconnect the brake pads wear sensor. Use a flat screwdriver.

12



Remove the brake caliper.

## AUTODOC recommends:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

13




Remove the brake pads.

14



Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.



15



Unscrew the caliper bracket fastening. Use a drive socket #19. Use a ratchet wrench.

16

Remove the fastening bolts (2 pieces).

17



Remove the caliper bracket

18

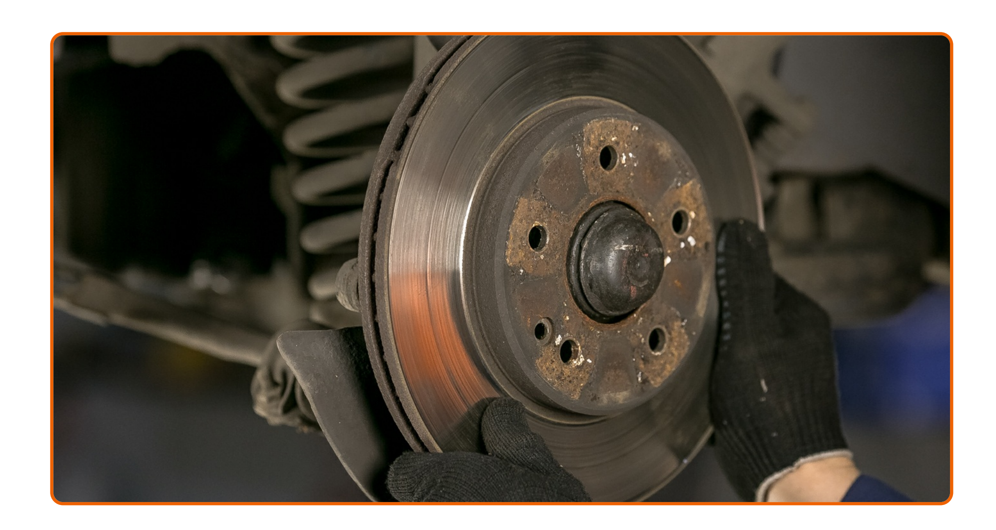
Clean the brake disc fasteners. Use a wire brush. Use WD-40 spray.






Unscrew the brake disc fastening Use HEX No.H5. Use a ratchet wrench.

20



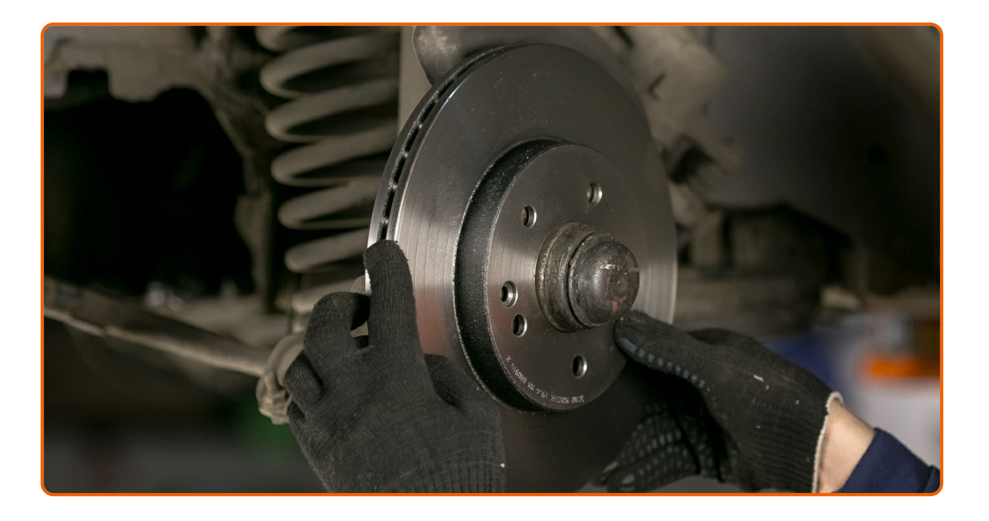
Remove the brake disc.

21



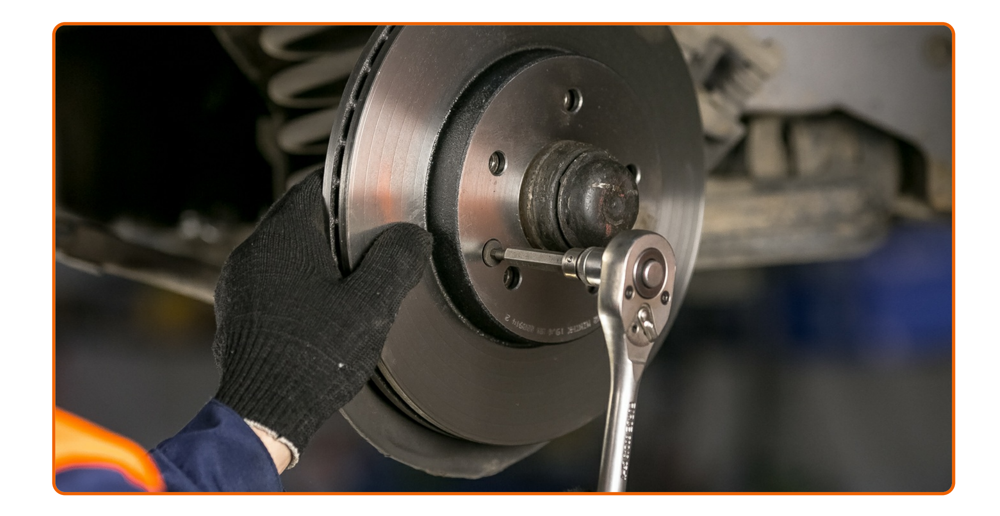
Clean the hub. Use a wire brush. Treat the contacting surface. Use copper grease.

22



Install the brake disc.

23



Tighten the brake disc fastening. Use HEX No.H5. Use a torque wrench. Tighten it to 9 Nm torque.

24

Remove the guide pins from the brake caliper.

25



Clean the brake caliper guide pins.



26



Treat the brake caliper guide pins. Use the brake caliper guide pin grease.

27



Screw in the guide pins.

28



Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.

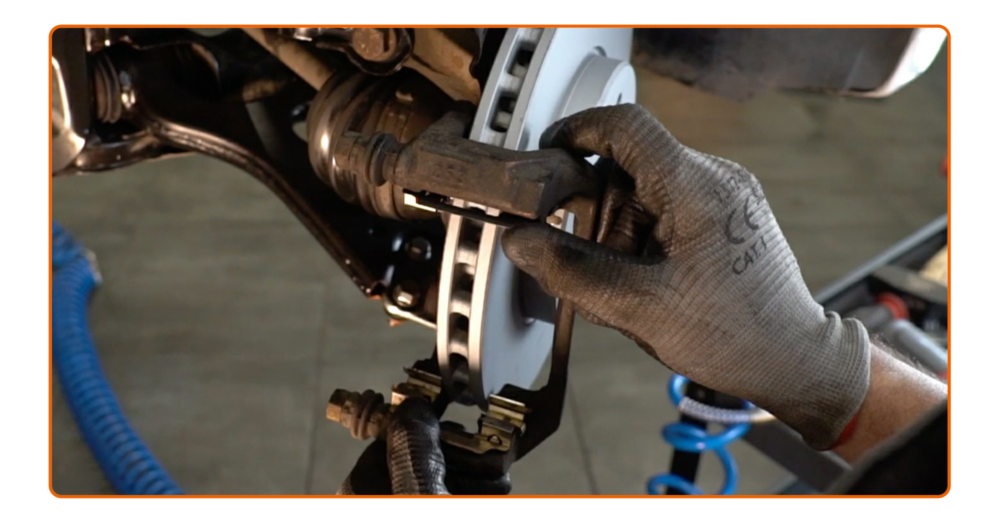
29



Treat the fastening bolts. Use a sealant.



30

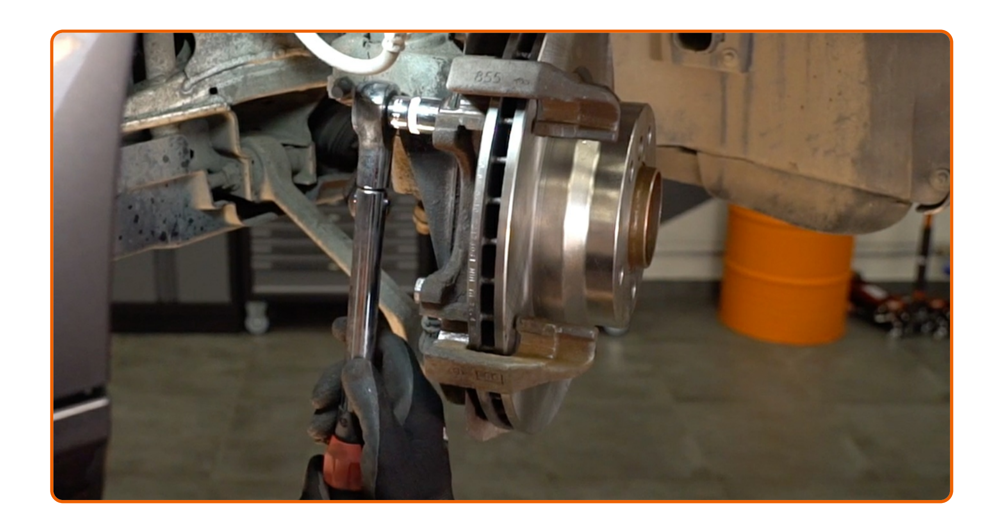


Install the brake caliper bracket.

31

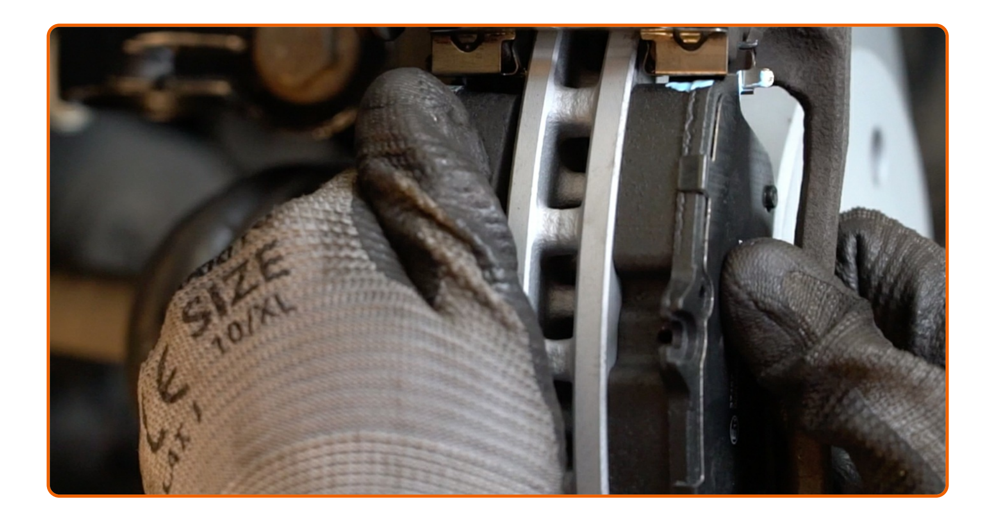
Install the fastening bolts (2 pieces).

32



Tighten the brake caliper bracket Use a drive socket #19. Use a torque wrench. Tighten it to 75 Nm torque.

33




Install the brake pads.

34




Treat the brake caliper piston. Use a brake cleaner.

## AUTODOC recommends:

- After applying the spray, wait a few minutes.

35



Press in the brake caliper piston. Use brake caliper wind back tool.

36



Install the brake caliper and fix it.

37

Install the fastening bolts (2 pieces).

38



Connect the brake pads wear sensor. Use a flat screwdriver.

39



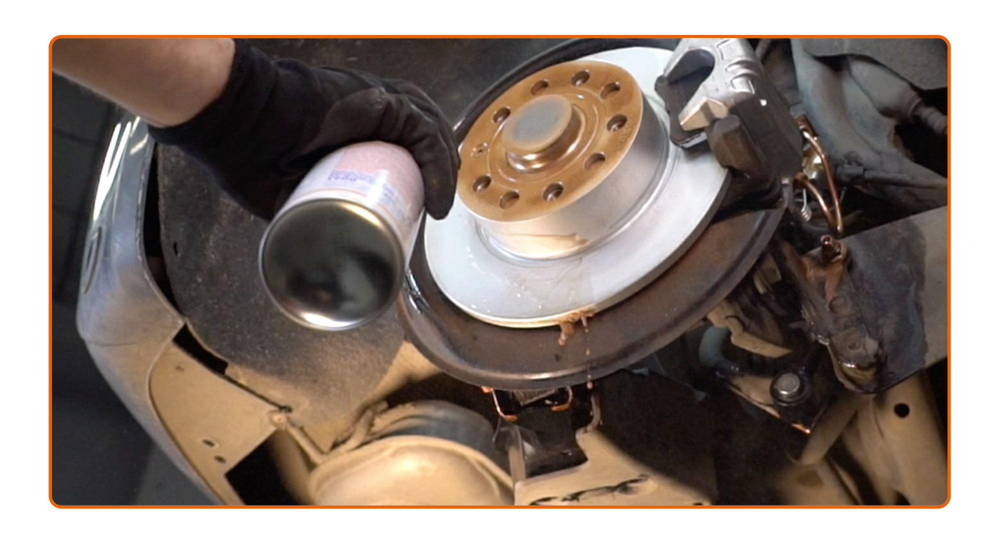
Tighten the brake caliper fasteners. Use a combination spanner #15. Use a drive socket #13. Use a torque wrench. Tighten it to 45 Nm torque.

40



Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

41



Clean the brake disk surface. Use a brake cleaner.

## AUTODOC recommends:

- After applying the spray, wait a few minutes.

42



Install the wheel.

## AUTODOC recommends:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

43



Screw in the wheel bolts. Use wheel impact socket #17.

44



Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 nm torque.

45



Remove the jacks and chocks.

AUTODOC recommends:

- Check the brake fluid level in the expansion tank and refill if necessary.

46

Tighten the brake fluid reservoir cap. Close the hood.

AUTODOC recommends:

- Without starting the engine, press the brake pedal several times until you feel significant resistance.

# DID YOU FIND THESE INSTRUCTIONS HELPFUL?

YES

NO



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